

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
 Data File : BP001621.D
 Acq On : 15 Jan 2020 21:54
 Operator : JU
 Sample : L1005-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-05-011420

Manual Integrations
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Quant Time: Jan 16 07:31:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	41339	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	148586	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	98772	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	229326	20.00	ng	0.00
76) Chrysene-d12	21.15	240	215257	20.00	ng	0.00
87) Perylene-d12	23.38	264	221653	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	195664	92.72	ng	0.00
7) Phenol-d6	6.83	99	278738	82.65	ng	0.00
23) Nitrobenzene-d5	8.78	82	197159	57.98	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	111029	73.85	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	396697	59.05	ng	0.00
79) Terphenyl-d14	19.63	244	660197	56.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.85	94	7672	2.199	ng	81
50) Dimethylphthalate	13.75	163	37833	4.650	ng	99
52) Acenaphthene	14.35	154	11649	2.073	ng	94
58) Fluorene	15.34	166	20761	2.700	ng	# 99
71) Phenanthrene	17.09	178	257545	20.651	ng	99
72) Anthracene	17.17	178	58209	4.794	ng	98
75) Fluoranthene	19.07	202	362660	22.100	ng	98
78) Pyrene	19.42	202	332544	21.031	ng	99
81) Benzo(a)anthracene	21.13	228	159087	10.612	ng	97
83) Chrysene	21.18	228	143953m	9.853	ng	
86) Indeno(1,2,3-cd)pyrene	25.63	276	69966	4.091	ng	99
88) Benzo(b)fluoranthene	22.72	252	169615m	12.144	ng	
89) Benzo(k)fluoranthene	22.75	252	48521m	3.563	ng	
90) Benzo(a)pyrene	23.29	252	126712	9.555	ng	98
92) Benzo(a,h,i)perylene	26.32	276	70133	5.156	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

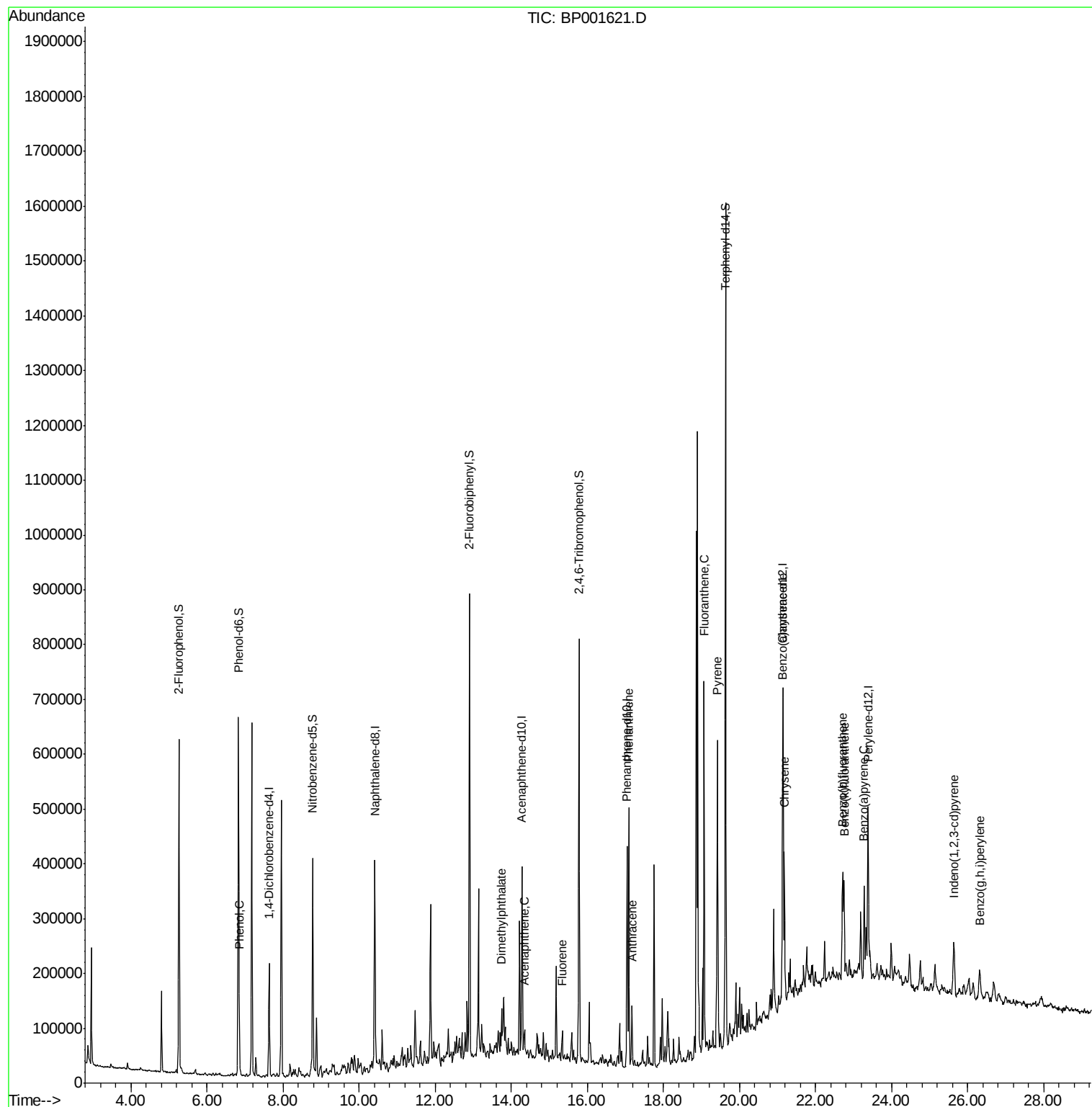
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
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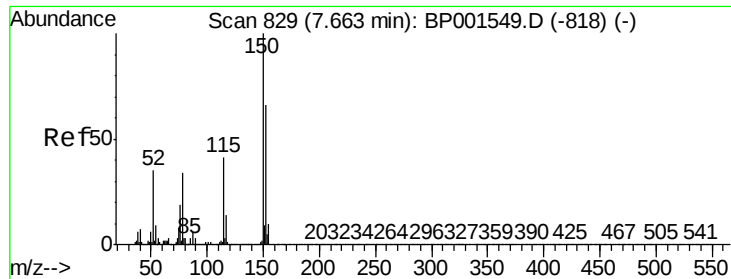
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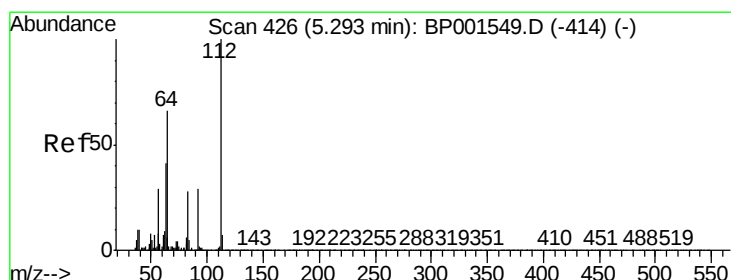
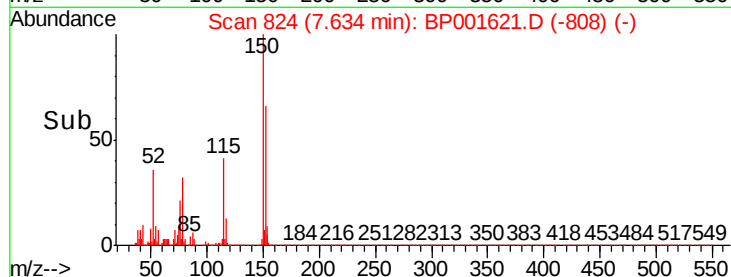
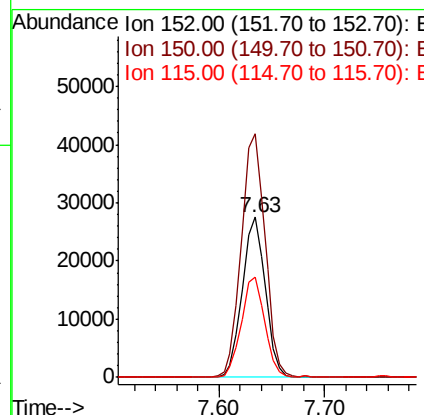
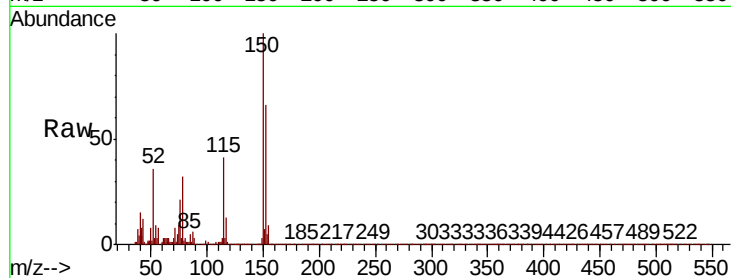
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	122.0	183.0
115	62.5	50.7	76.1

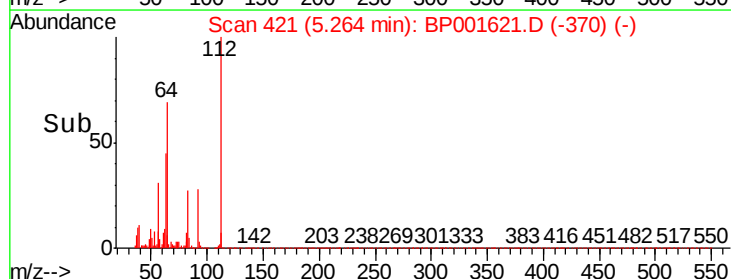
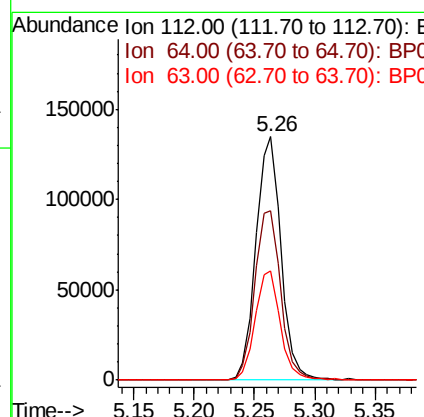
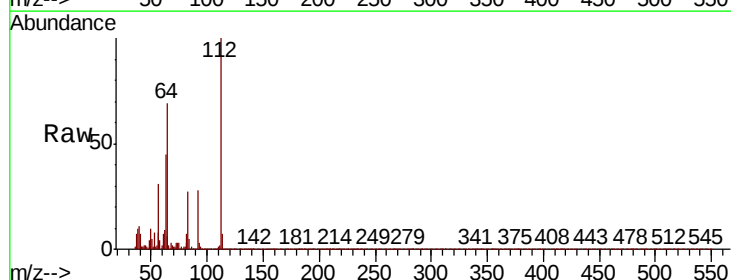
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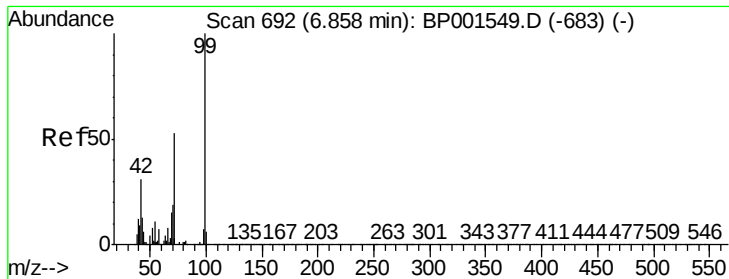
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#5
2-Fluorophenol
Concen: 92.718 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	52.8	79.2
63	44.8	33.1	49.7





#7

Phenol-d6

Concen: 82.646 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

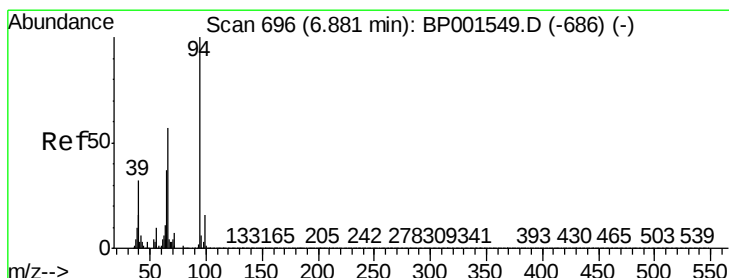
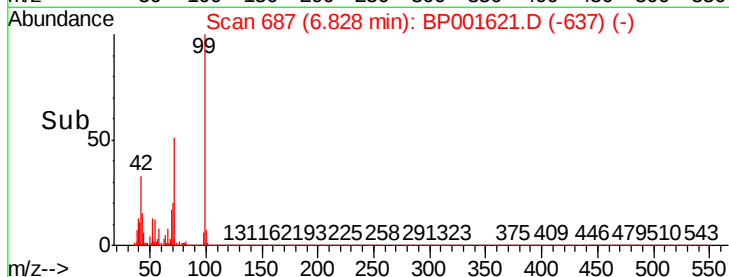
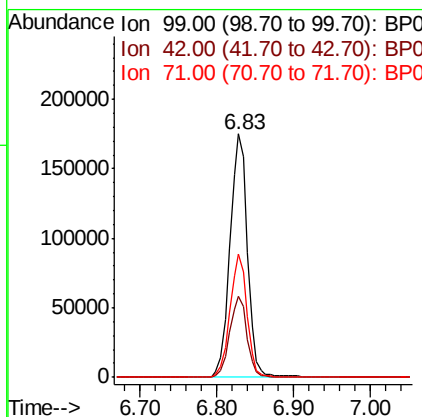
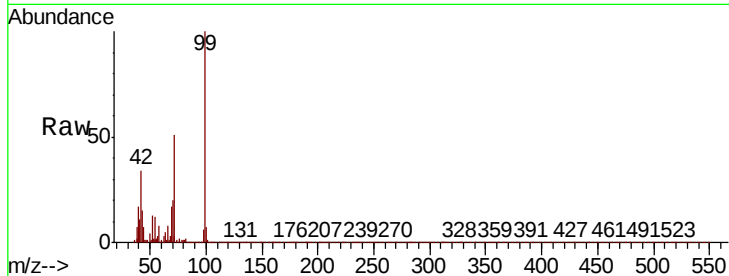
ClientSampleId :

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Tot Ion:	99	Resp:	278738
Ion Ratio	Lower	Upper	
99	100		
42	33.5	24.5	36.7
71	50.9	42.4	63.6

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#10

Phenol

Concen: 2.199 ng

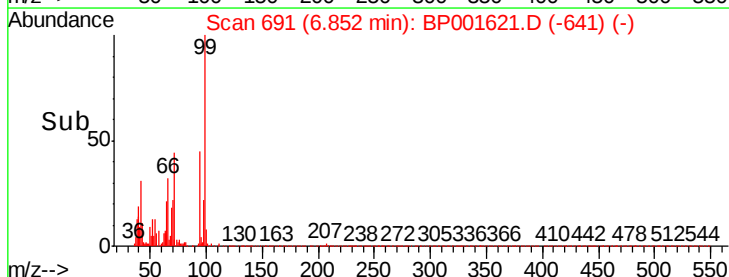
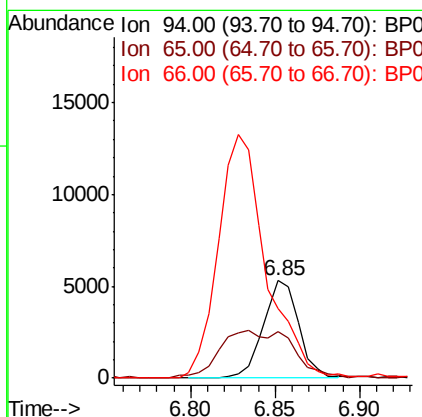
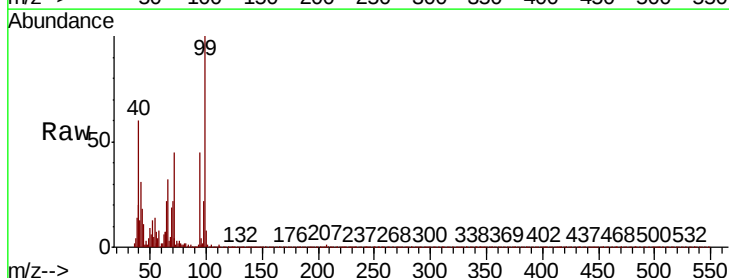
RT: 6.85 min Scan# 691

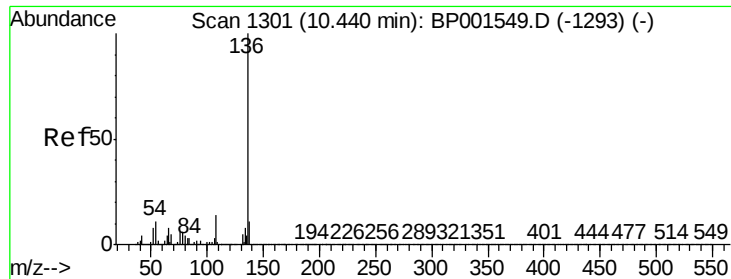
Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Tgt Ion:	94	Resp:	7672
Ion Ratio	Lower	Upper	
94	100		
65	47.8	17.5	57.5
66	71.5	36.7	76.7





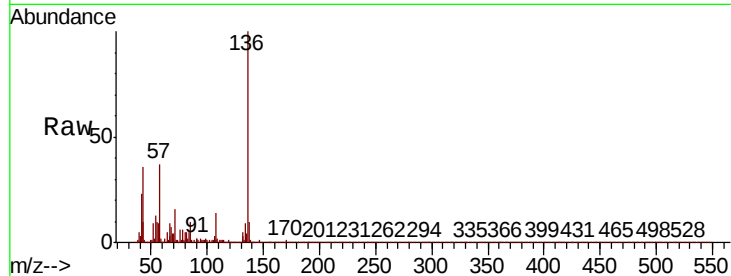
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.41 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

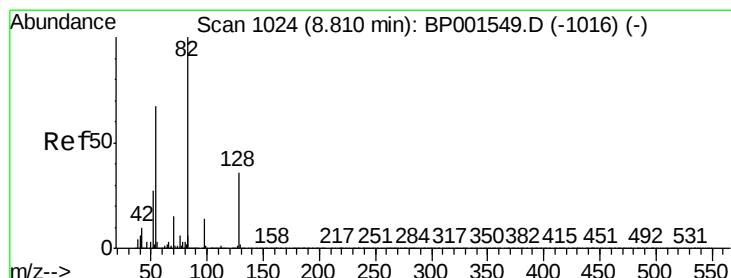
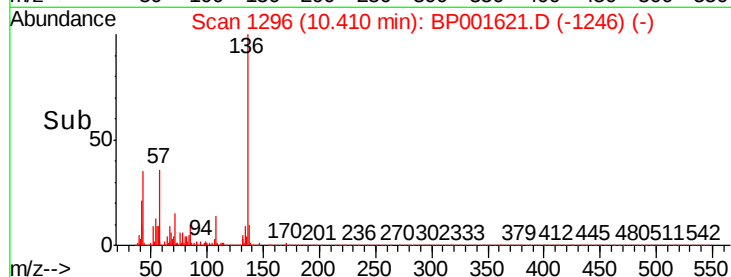
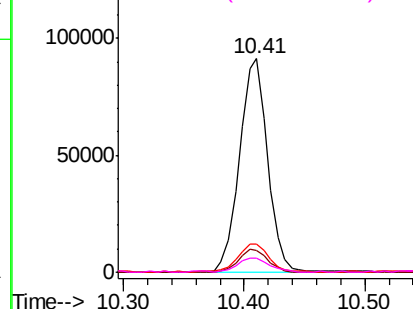
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.1	8.6	12.8
54	12.9	9.2	13.8
68	6.6	4.1	6.1#

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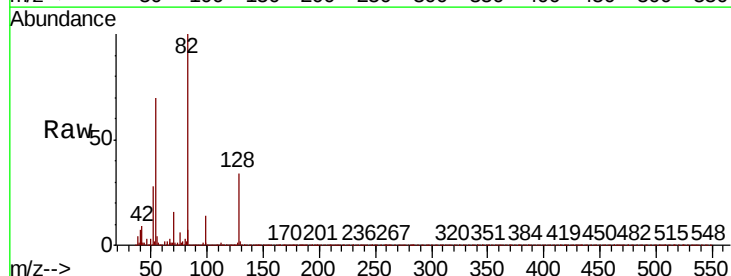


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

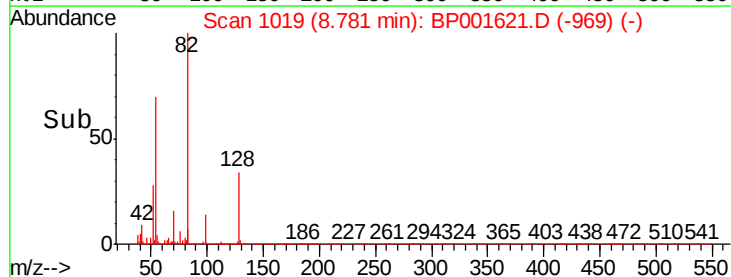
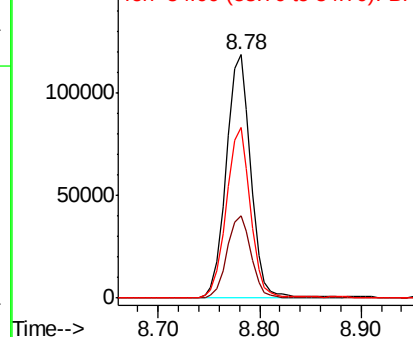


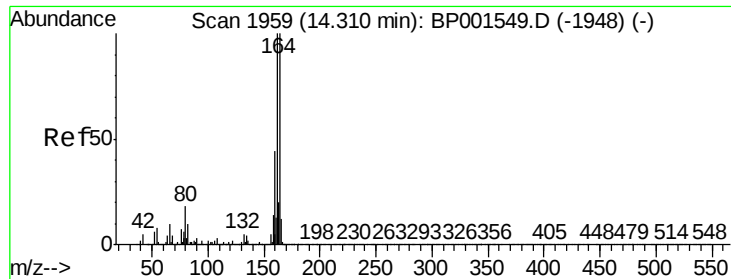
#23
Nitrobenzene-d5
Concen: 57.982 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	34.0	28.4	42.6
54	70.3	53.4	80.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0





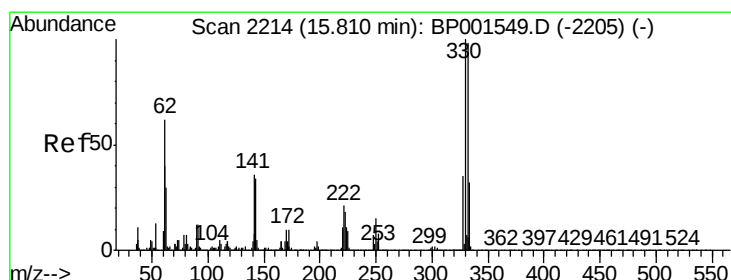
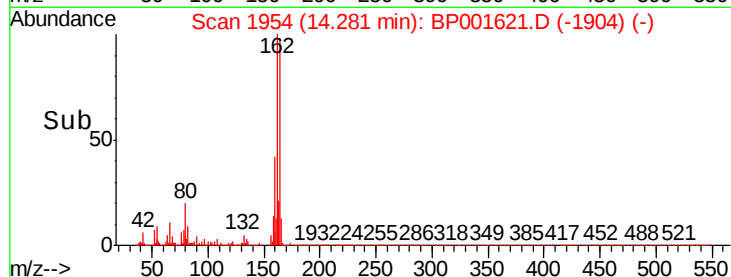
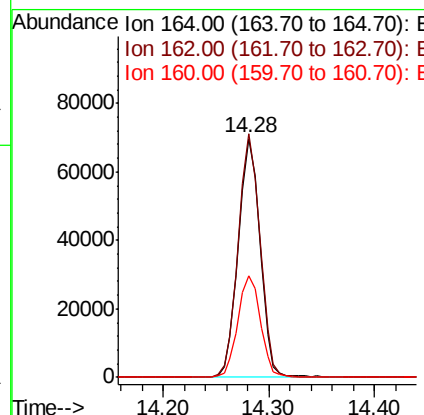
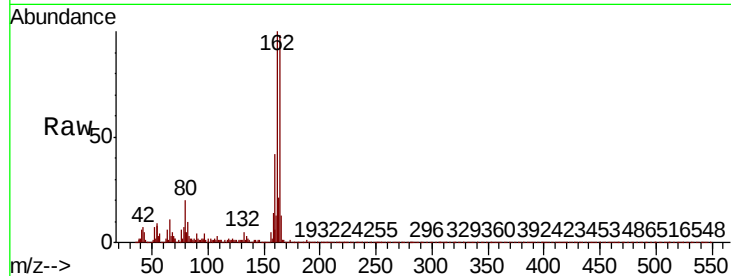
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.8	119.6
160	42.6	35.0	52.6

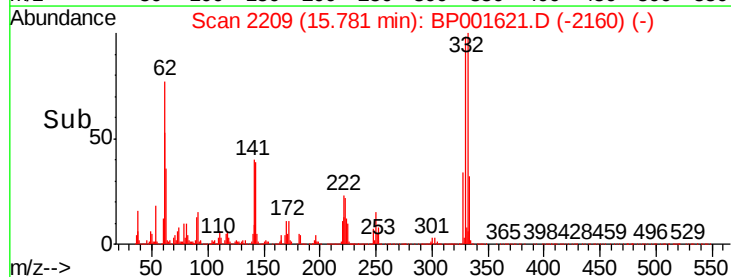
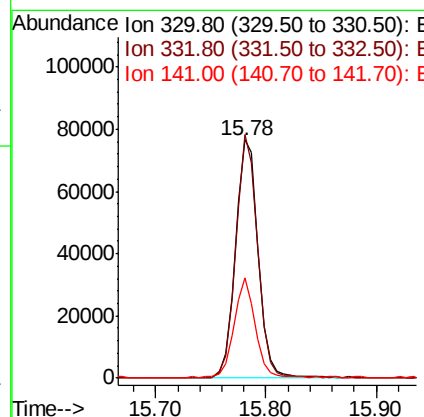
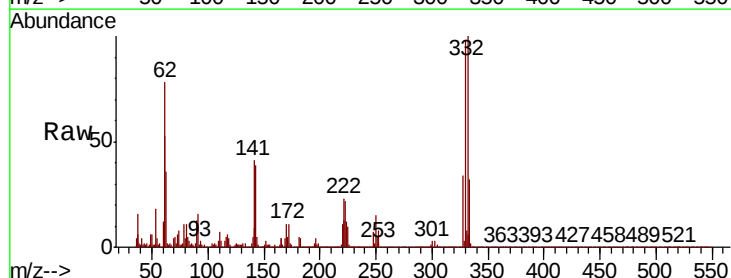
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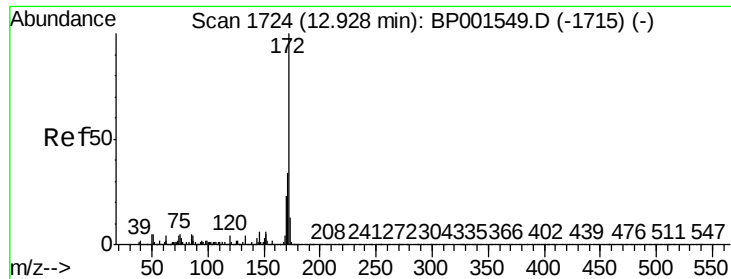
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#42
2,4,6-Tribromophenol
Concen: 73.847 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.8	116.6
141	38.9	28.7	43.1





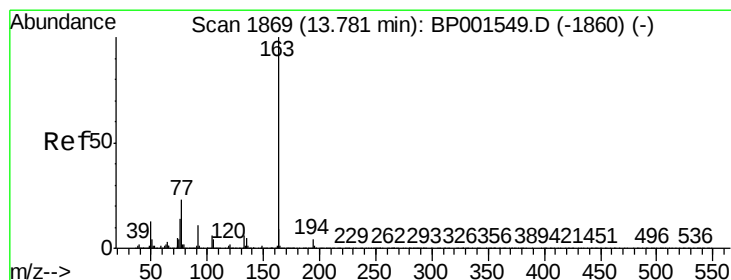
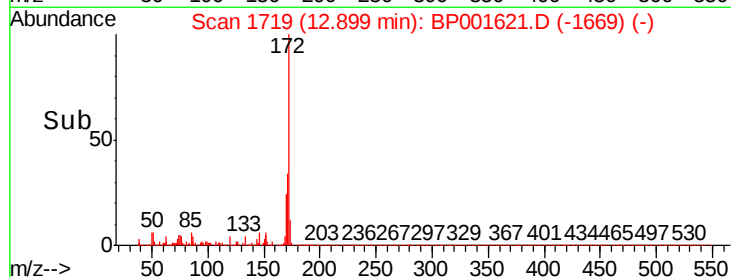
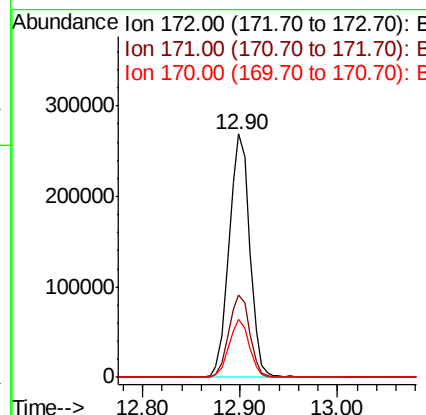
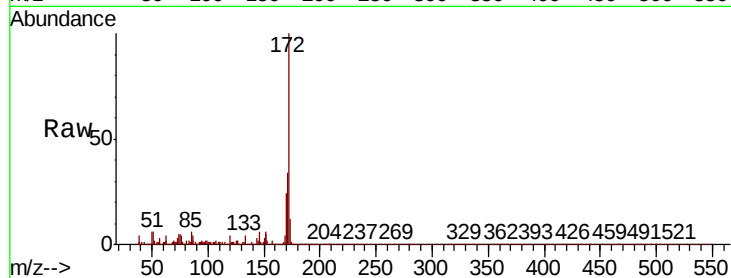
#45
2-Fluorobiphenyl
Concen: 59.050 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.6	41.4
170	24.1	18.3	27.5

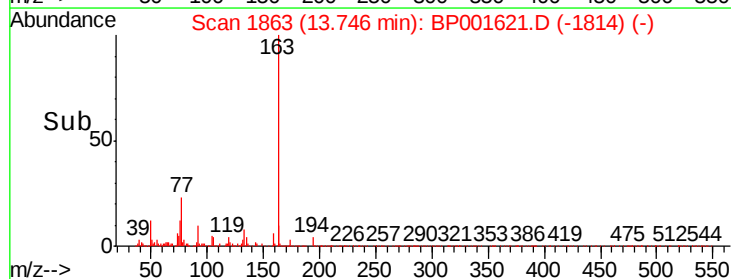
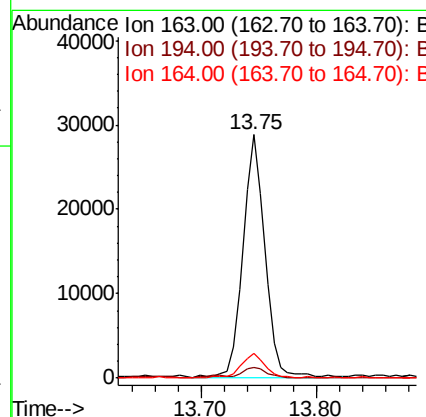
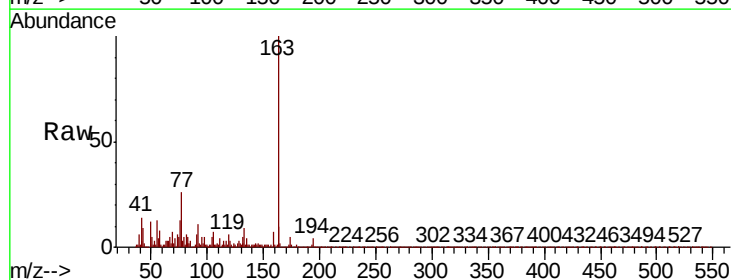
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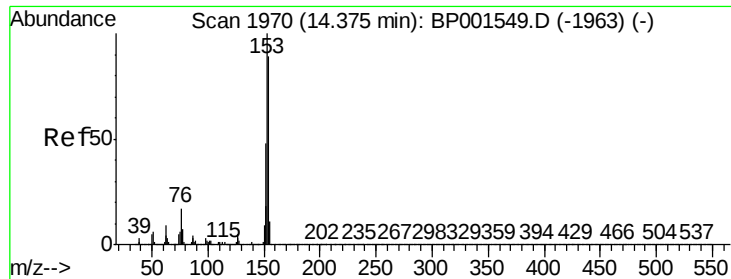
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#50
Dimethylphthalate
Concen: 4.650 ng
RT: 13.75 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.0	7.5	11.3





#52

Acenaphthene

Concen: 2.073 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

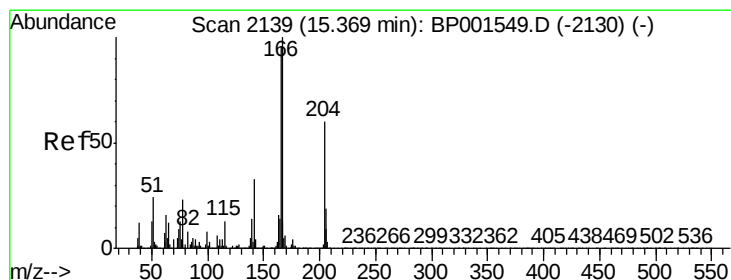
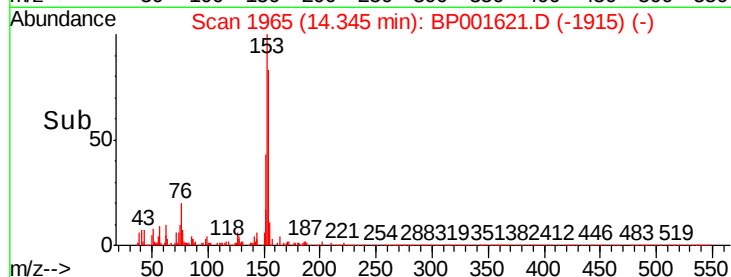
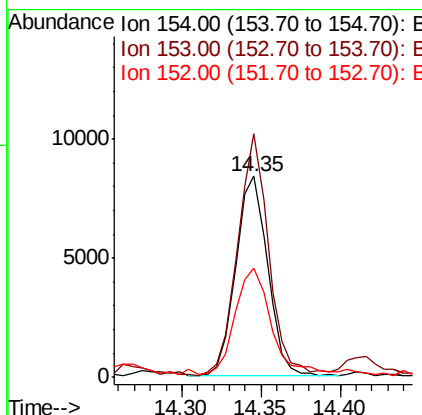
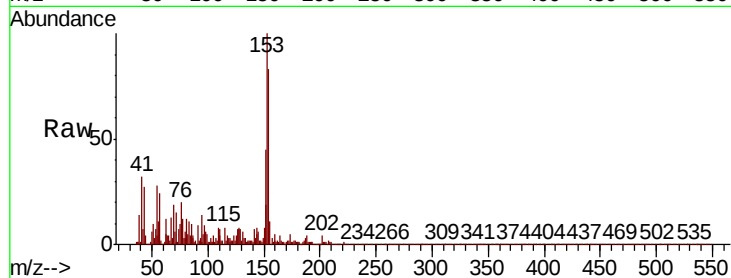
ClientSampleId :

HR-05-011420

Tot Ion:	154	Resp:	11649
Ion	Ratio	Lower	Upper
154	100		
153	121.1	89.4	134.2
152	54.3	42.6	64.0

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#58

Fluorene

Concen: 2.700 ng

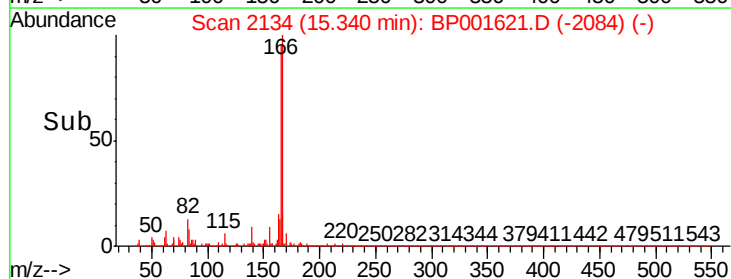
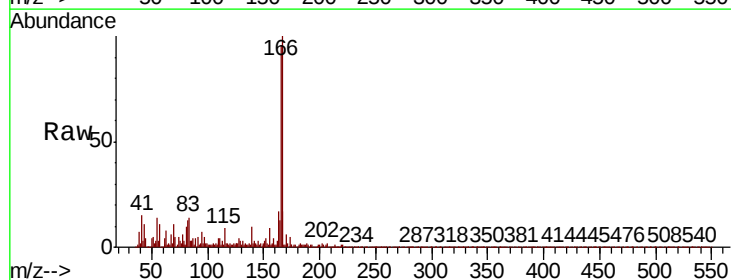
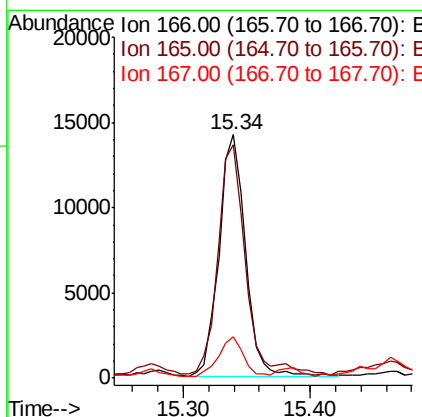
RT: 15.34 min Scan# 2134

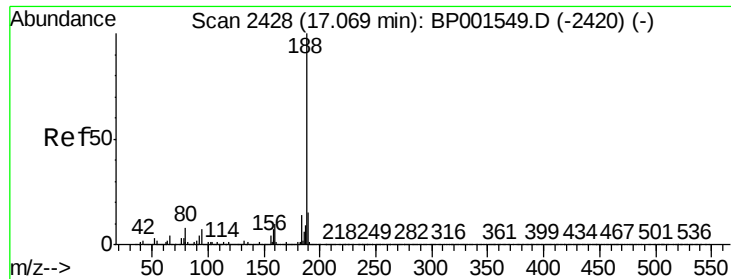
Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Tgt Ion:	166	Resp:	20761
Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.9	115.3
167	16.8	10.3	15.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

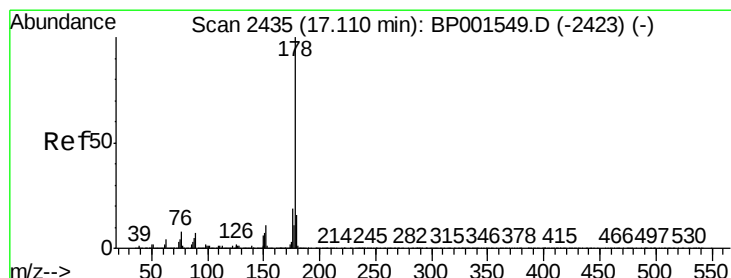
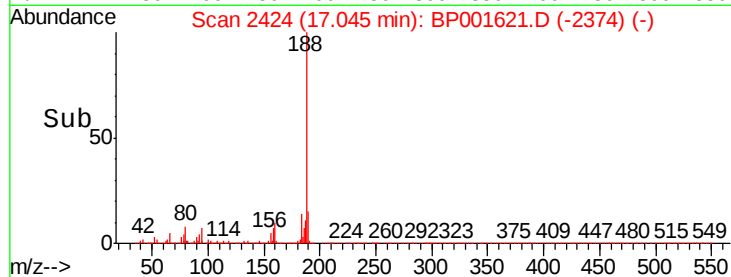
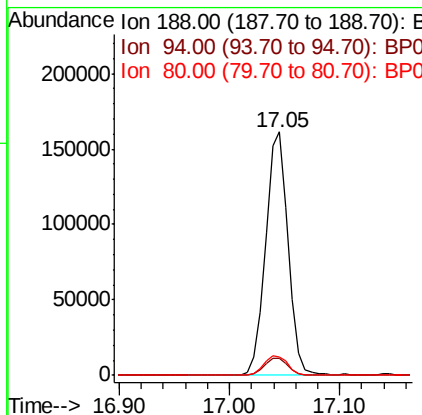
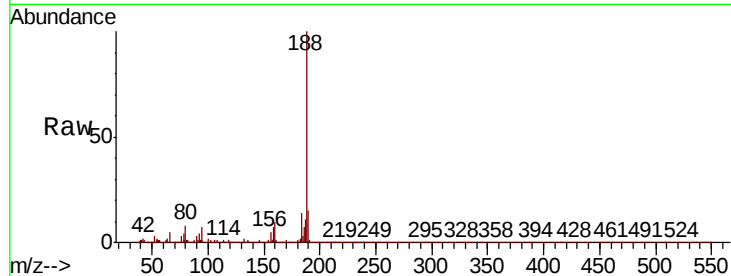
ClientSampleId :

HR-05-011420

Tot Ion:	188	Resp:	229326
Ion Ratio	Lower	Upper	
188	100		
94	8.0	5.9	8.9
80	7.7	6.8	10.2

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#71

Phenanthrene

Concen: 20.651 ng

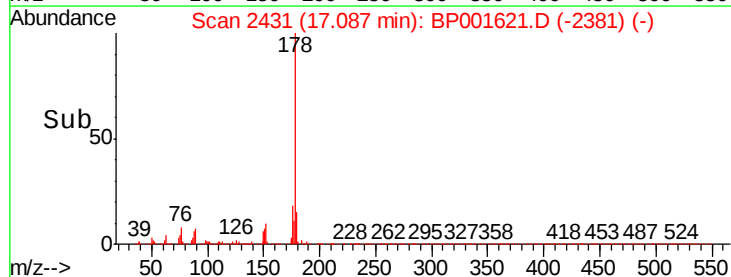
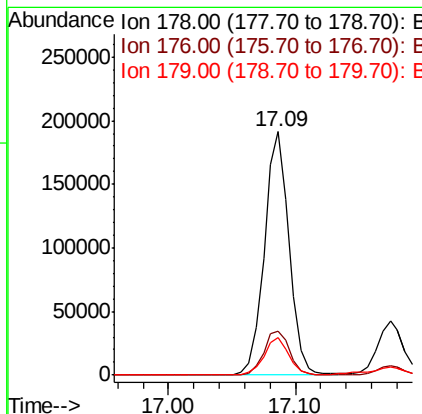
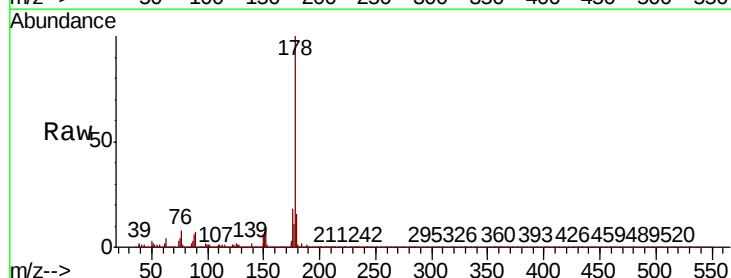
RT: 17.09 min Scan# 2431

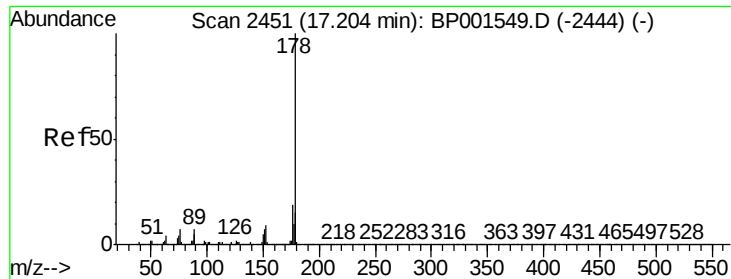
Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Tgt Ion:	178	Resp:	257545
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.9	22.3
179	15.6	12.5	18.7





#72

Anthracene

Concen: 4.794 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

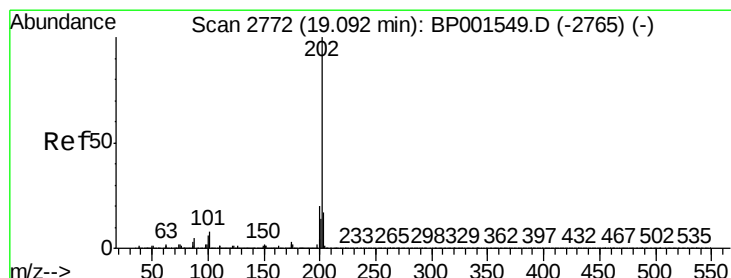
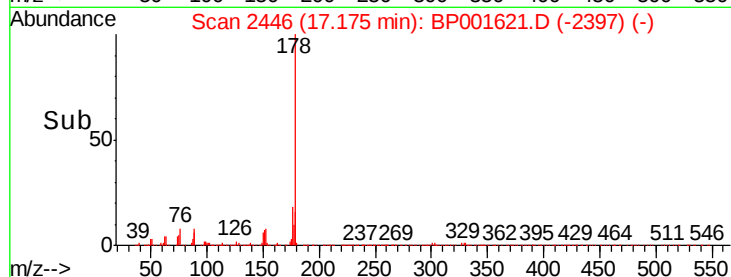
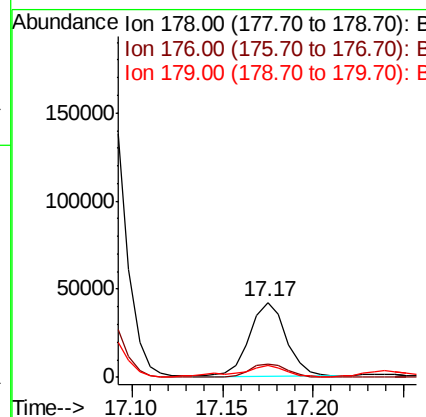
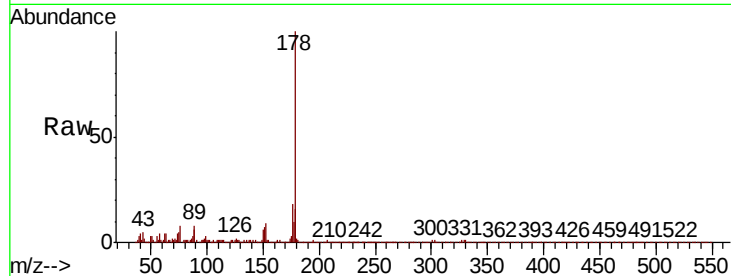
ClientSampleId :

HR-05-011420

Tot Ion:	178	Resp:	58209
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.6
179	16.2	11.8	17.8

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#75

Fluoranthene

Concen: 22.100 ng

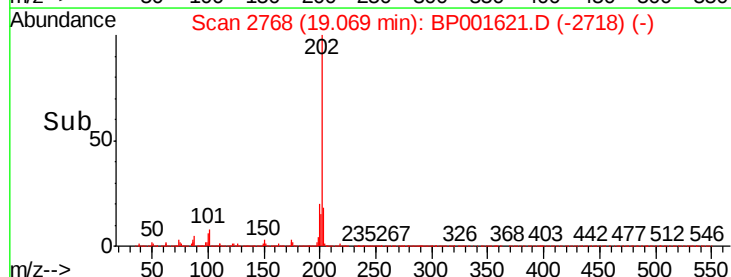
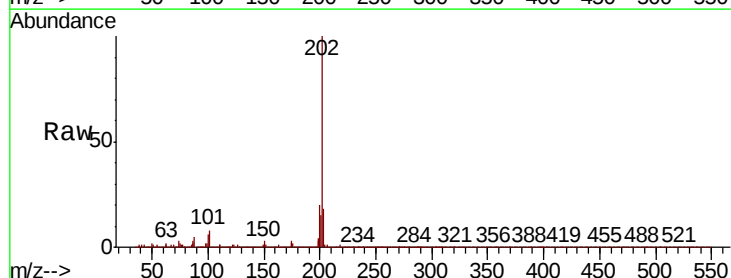
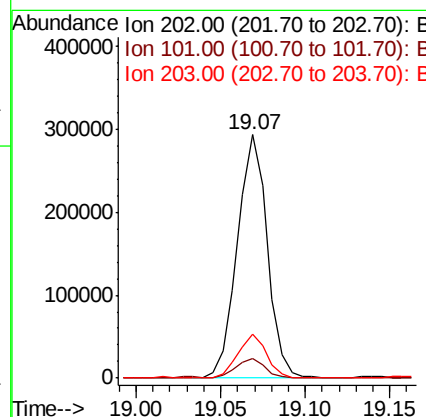
RT: 19.07 min Scan# 2768

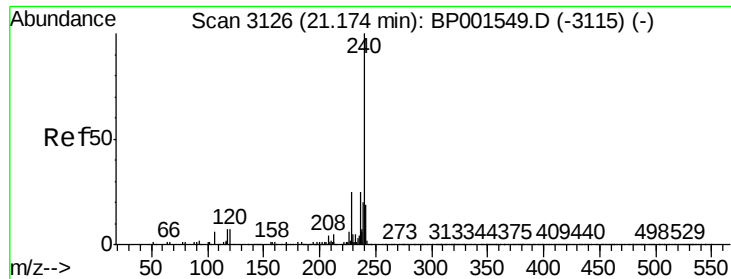
Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Tgt Ion:	202	Resp:	362660
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	28.4
203	18.1	0.0	37.4





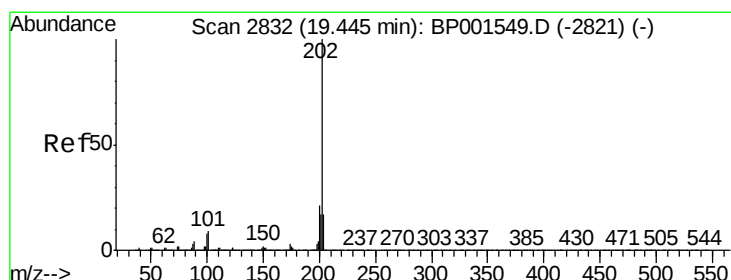
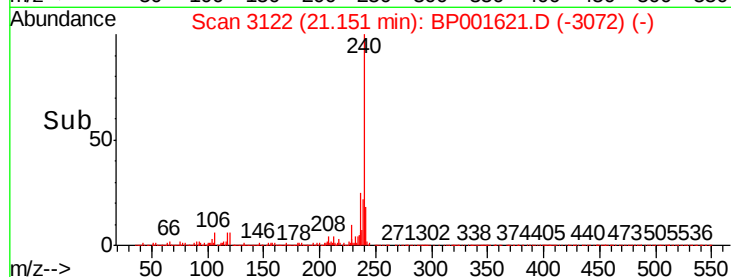
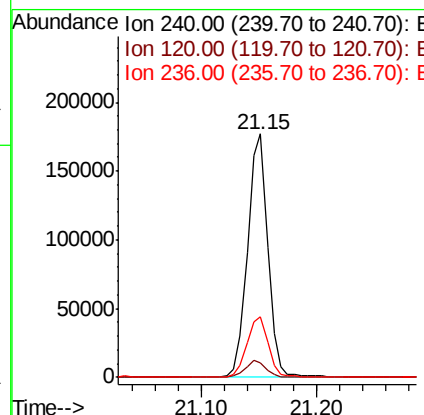
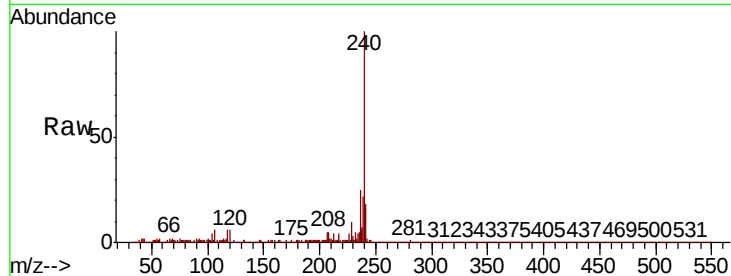
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.7	8.5
236	24.9	20.4	30.6

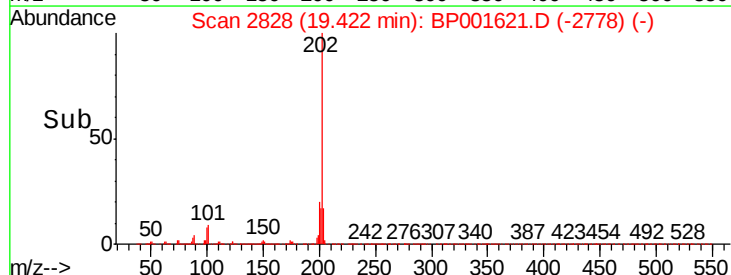
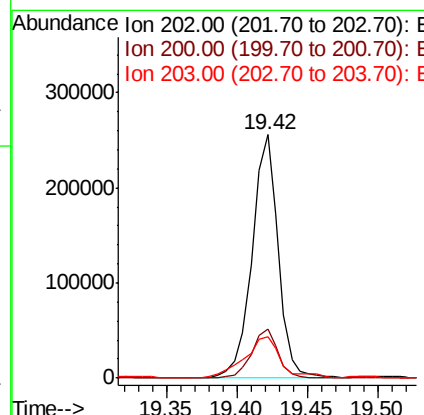
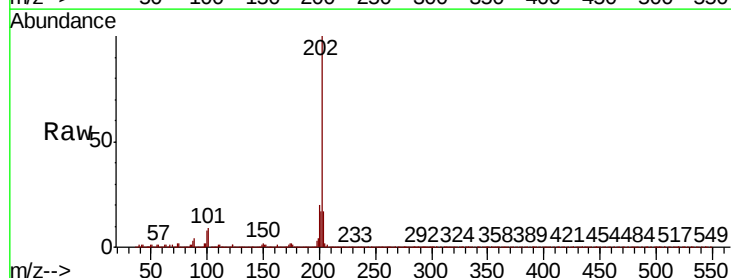
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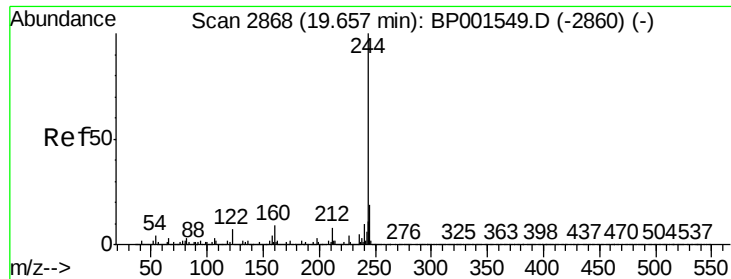
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#78
Pyrene
Concen: 21.031 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	16.8	13.7	20.5





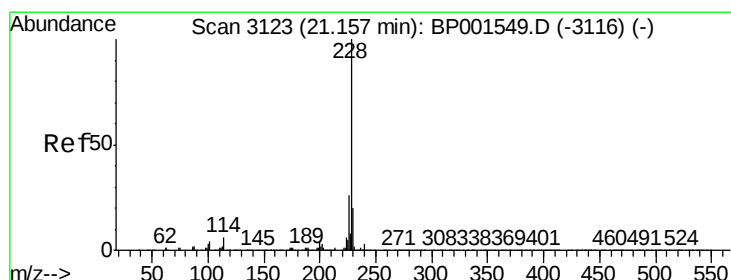
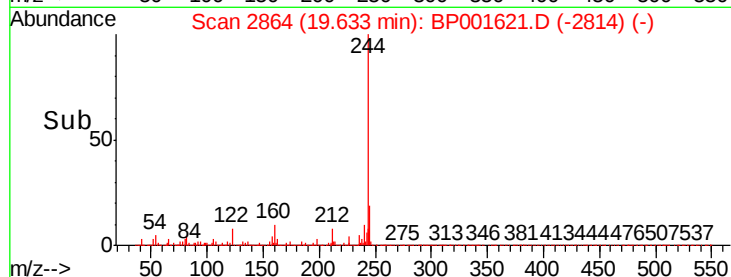
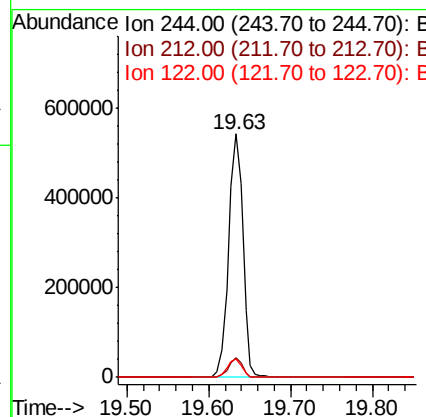
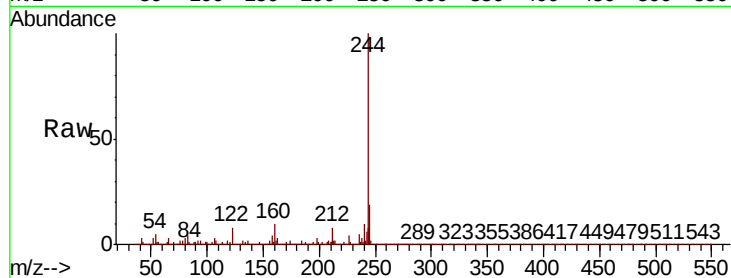
#79
 Terphenyl-d14
 Concen: 56.097 ng
 RT: 19.63 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

Instrument :
 BNA_P
 ClientSampleId :
 HR-05-011420

Tot Ion	Ratio	Resp	Lower	Upper
244	100	660197		
212	8.1	6.3	9.5	
122	7.6	5.8	8.6	

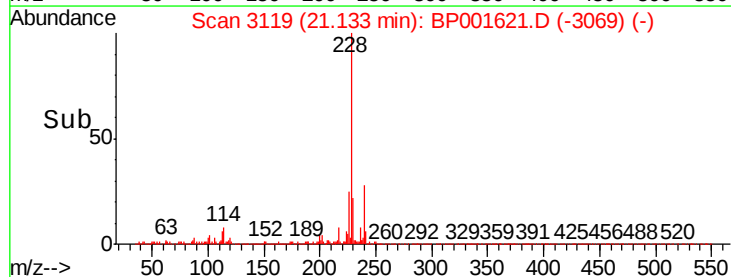
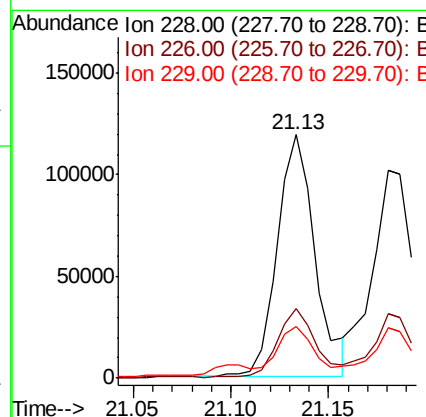
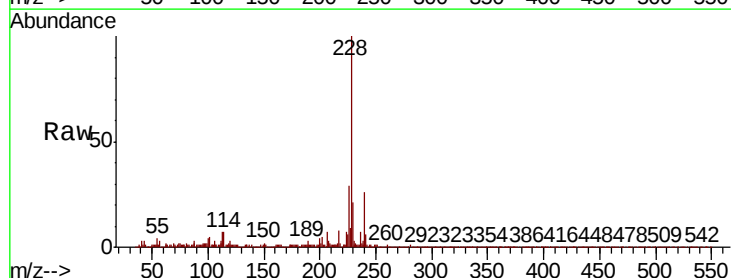
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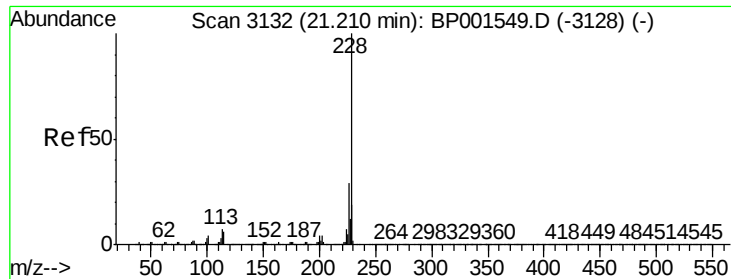
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#81
 Benzo(a)anthracene
 Concen: 10.612 ng
 RT: 21.13 min Scan# 3119
 Delta R.T. -0.01 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	159087		
226	28.5	21.2	31.8	
229	21.3	16.1	24.1	





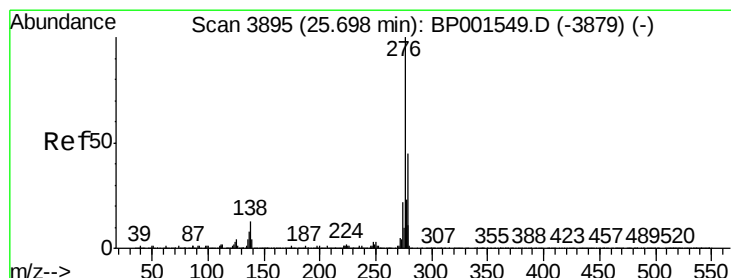
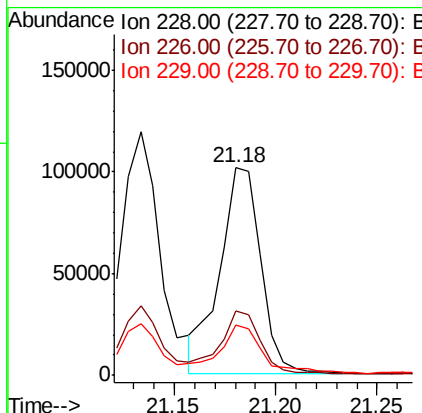
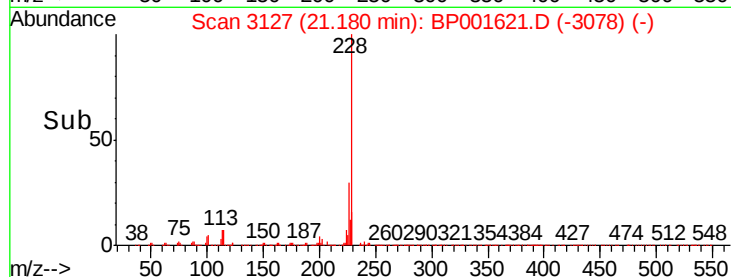
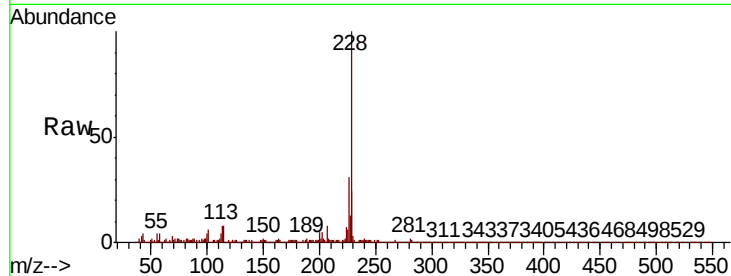
#83
Chrysene
Concen: 9.853 ng m
RT: 21.18 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.2	34.8
229	24.0	15.2	22.8

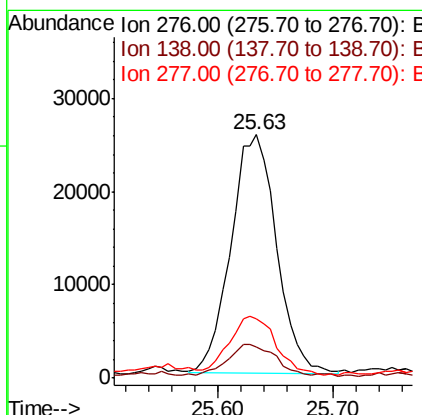
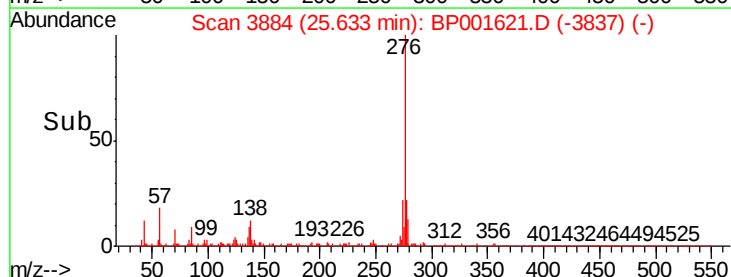
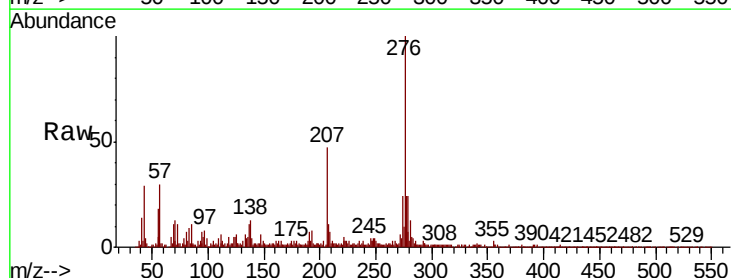
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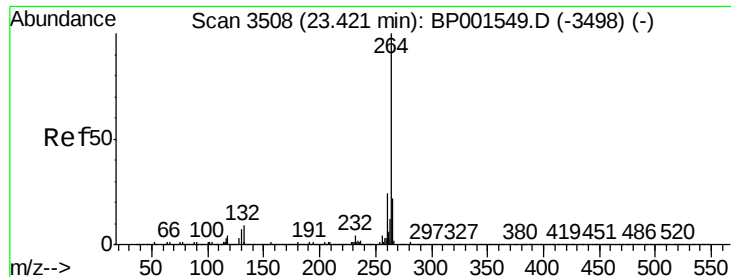
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.091 ng
RT: 25.63 min Scan# 3884
Delta R.T. -0.02 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.6	11.1	16.7
277	25.9	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

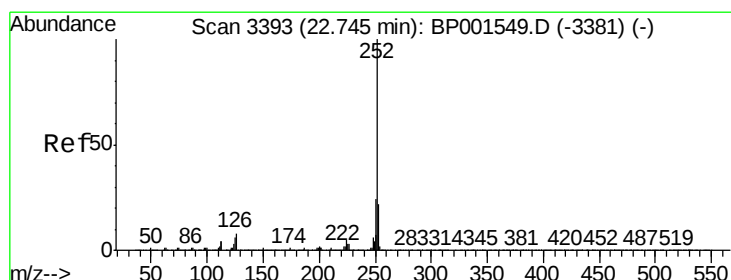
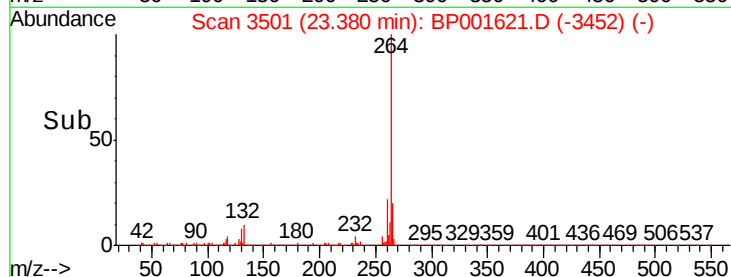
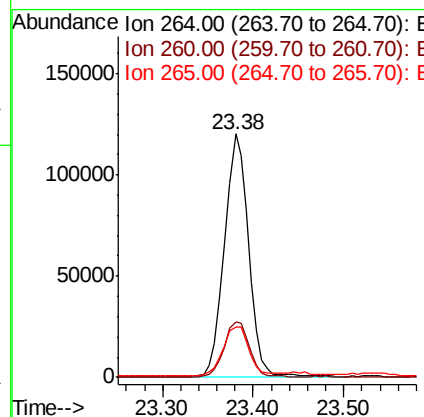
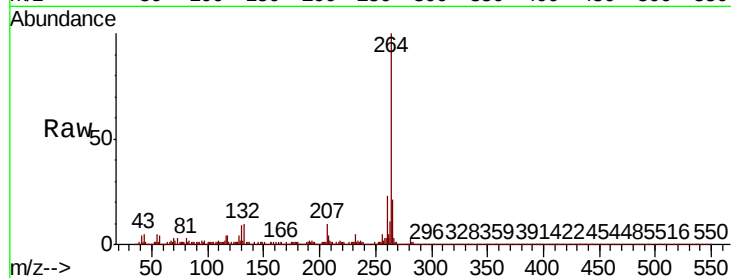
ClientSampleId :

HR-05-011420

Tot Ion:	264	Resp:	221653
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.0	28.6
265	20.9	18.2	27.4

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#88

Benzo(b)fluoranthene

Concen: 12.144 ng m

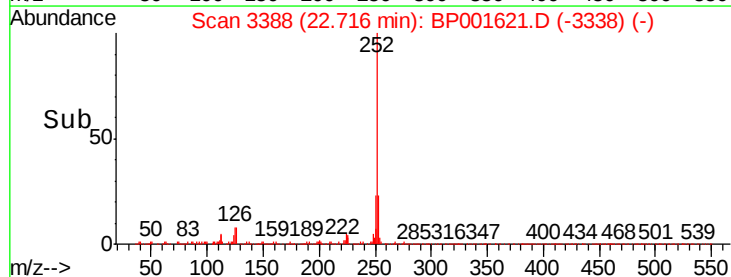
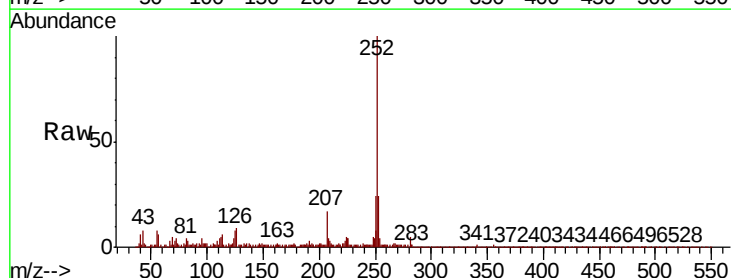
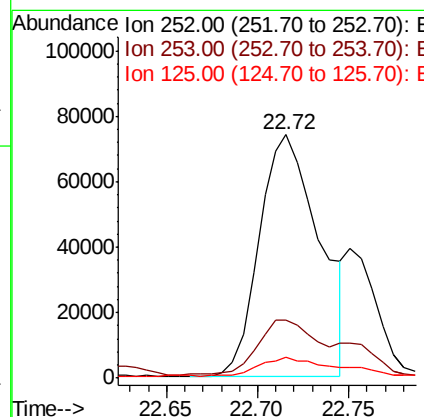
RT: 22.72 min Scan# 3388

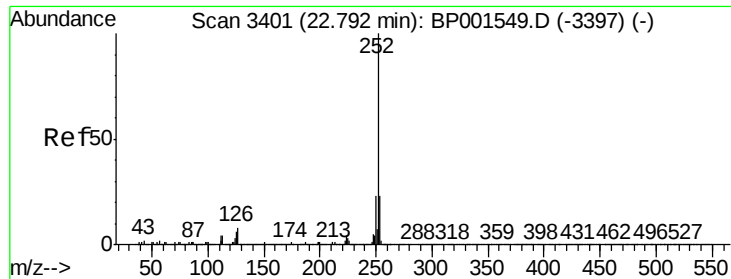
Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Tgt Ion:	252	Resp:	169615
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.6	26.4
125	8.5	4.6	7.0#





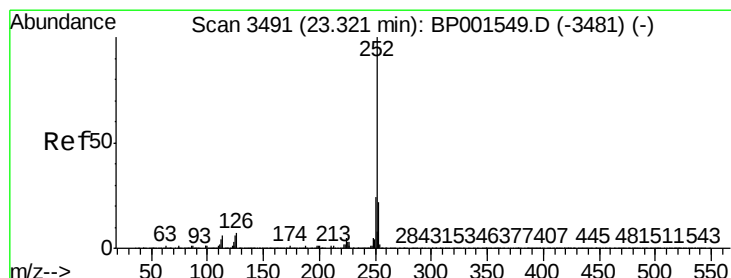
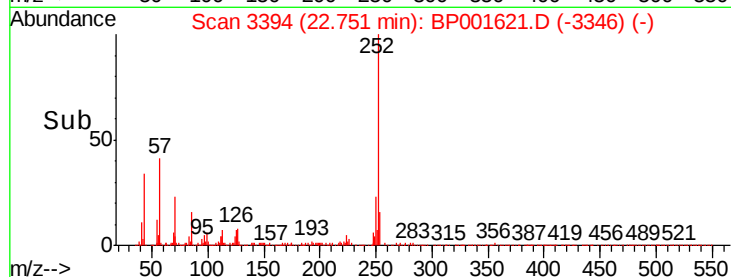
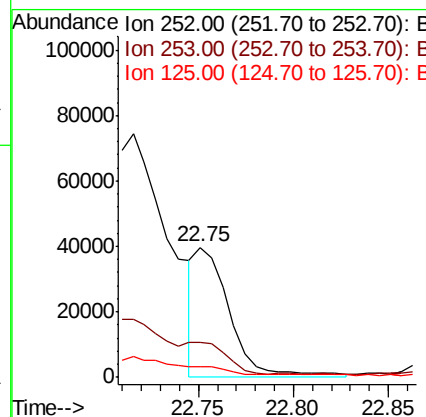
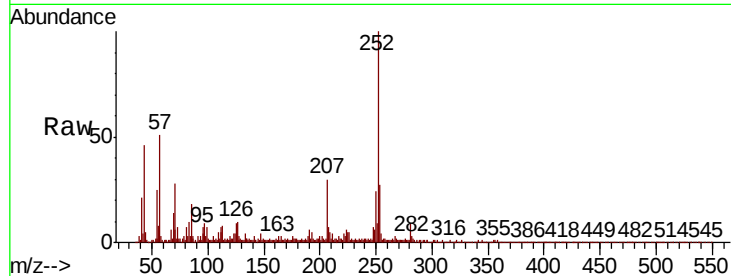
#89
Benzo(k)fluoranthene
Concen: 3.563 ng m
RT: 22.75 min Scan# 3394
Delta R.T. -0.02 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampled :
HR-05-011420

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.2
125	8.7	4.6	6.8

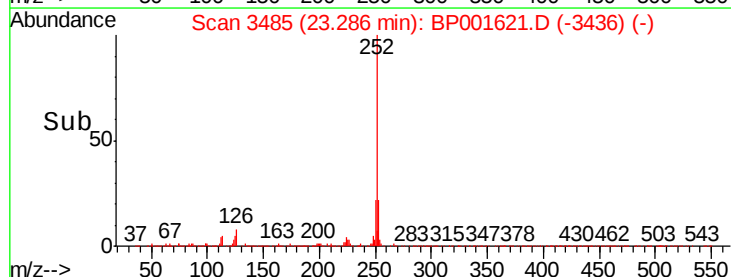
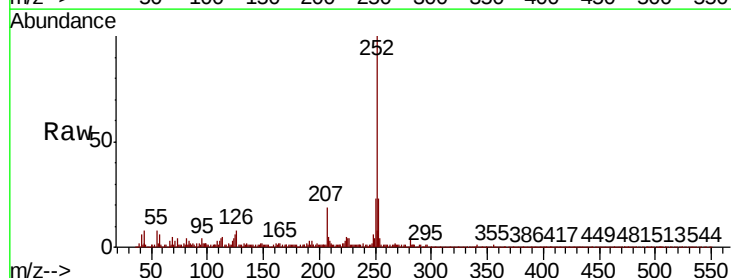
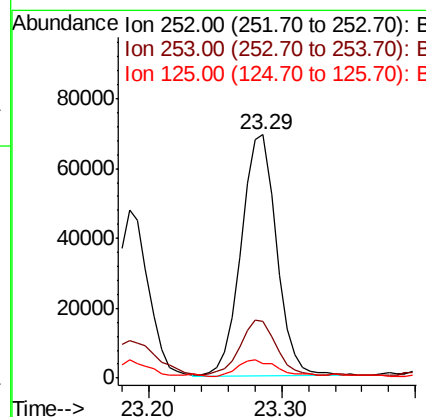
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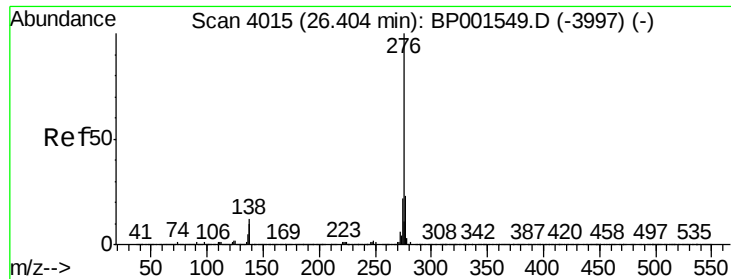
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#90
Benzo(a)pyrene
Concen: 9.555 ng
RT: 23.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	6.1	5.0	7.4





#92
 Benzo(a,h,i)perylene
 Concen: 5.156 ng
 RT: 26.32 min Scan# 4001
 Delta R.T. -0.02 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

Instrument :
 BNA_P
 ClientSampleId :
 HR-05-011420

Tot Ion:	276	Resp:	70133
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.6	28.0
138	13.4	9.4	14.2

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